

## **Appendix A: Historic and Current Photographs of Merrimack Village Dam and its Surroundings**

- **Historic Photos (Photos 1-10),**
- **2/22/03 (Photos 11-15),**
- **6/12/03 (Photos 16-19),**
- **10/20/03 (Photos 20-25),**
- **6/3/04 (Photos 26-28),**
- **6/29/04 (Photos 29-36),**
- **6/30/04 (Photos 37-39),**
- **10/27/04 (Photos 40-44).**



Photo No.: 1, Date: 1934, Courtesy NHDES, Dam Safety

Description: Looking at left power canal, canal is functional for passing water



Photo No.: 2, Date: 1934, Courtesy NHDES, Dam Safety

Description: Looking at apron and front of Chamberlain Bridge

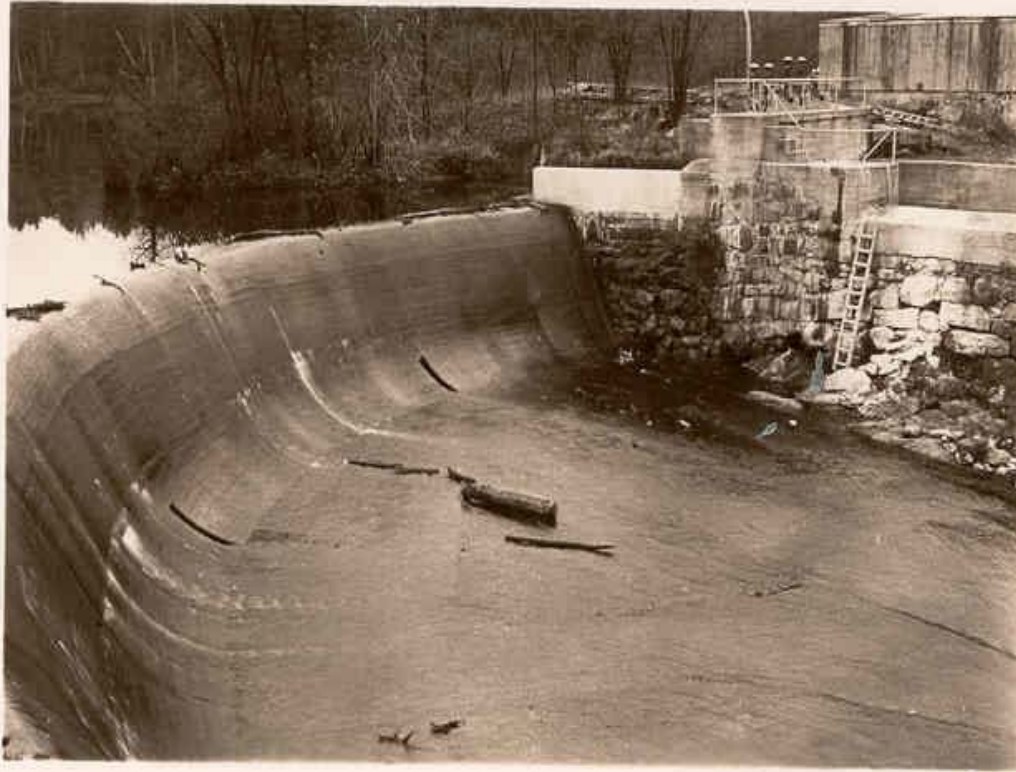


Photo No.: 3, Date: 1934, Courtesy NHDES, Dam Safety  
Description: Looking at finished spillway and apron

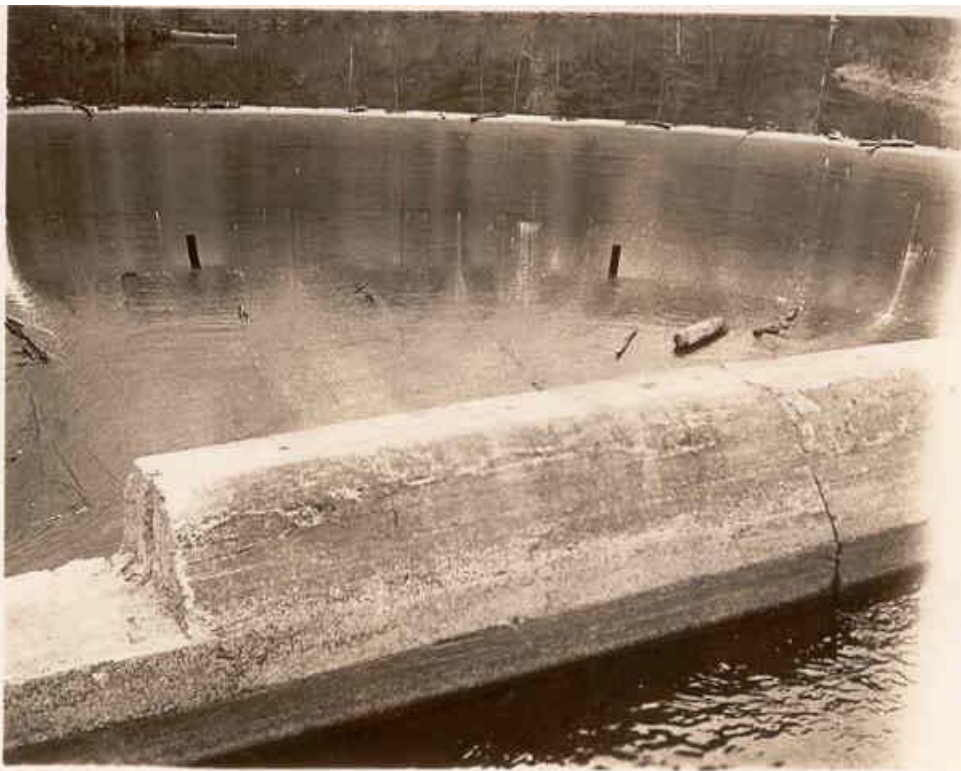


Photo No.:4, Date: 1934, Courtesy NHDES, Dam Safety  
Description: Looking at part of canal and spillway



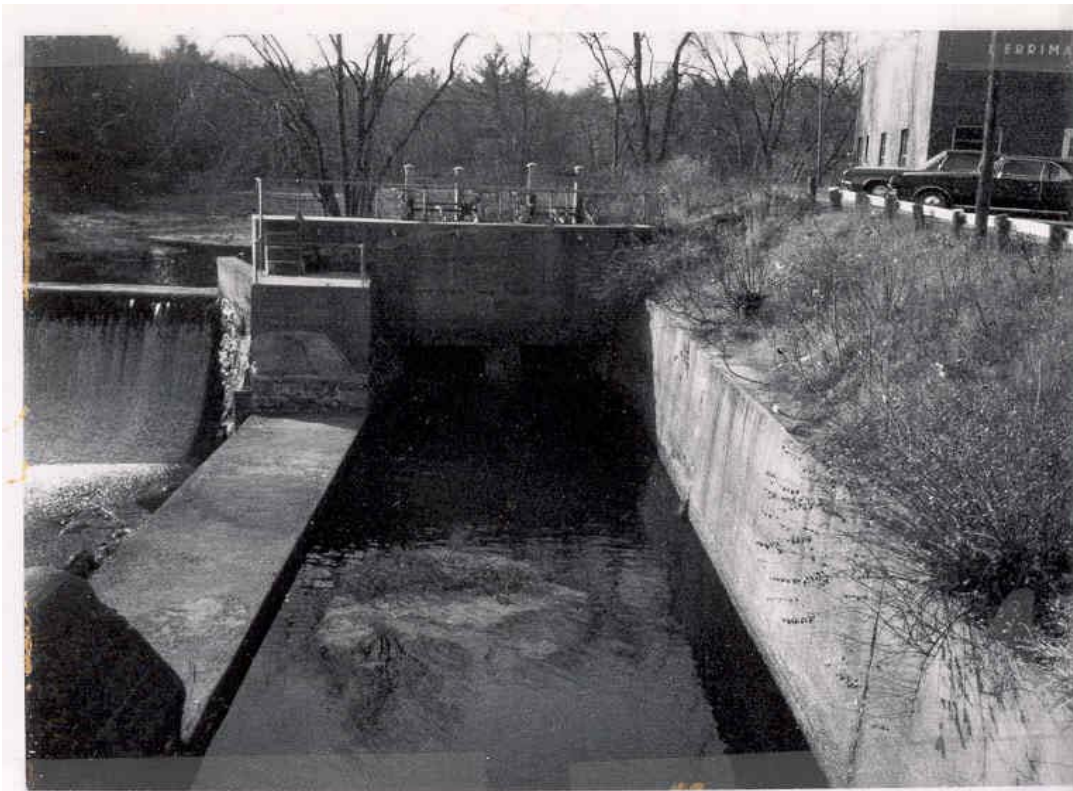


Photo No.:5, Date: 1975, Courtesy NHDES, Dam Safety  
Description: Looking at part of canal and spillway

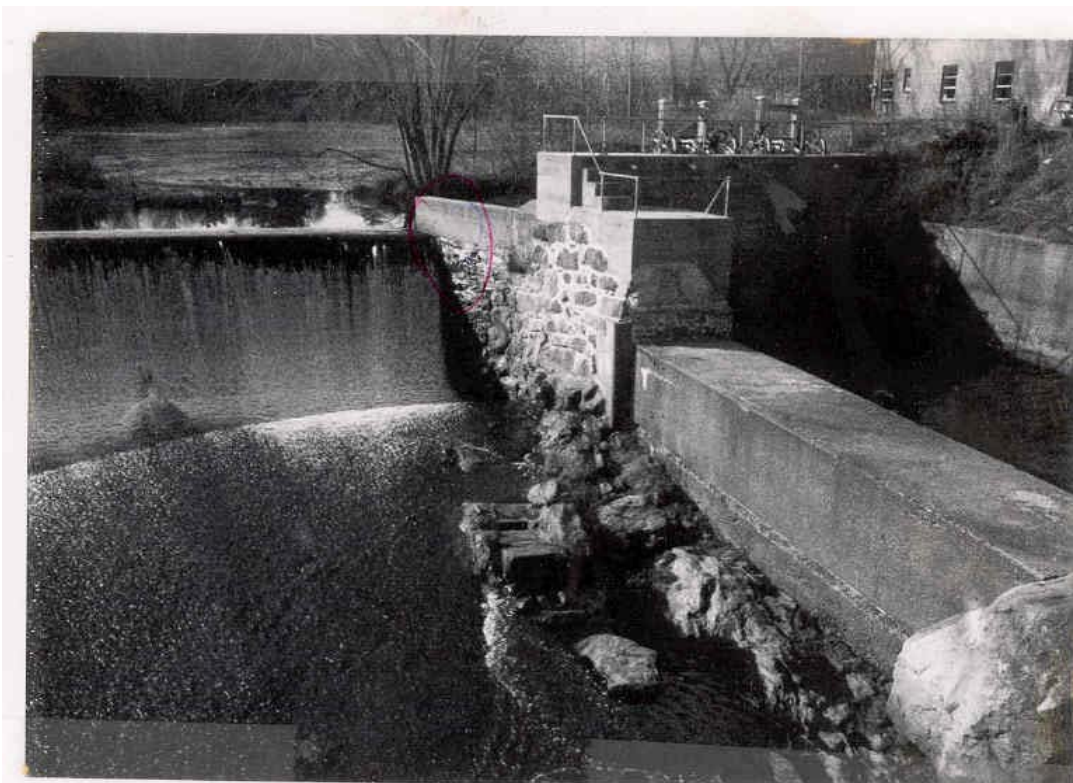


Photo No.:6, Date: 1975, Courtesy NHDES, Dam Safety  
Description: Looking at part of canal and spillway, canal wall has been lowered compared to 1934



Photo No.:7, Date: 1975, Courtesy NHDES, Dam Safety  
 Description: Looking downstream at Chamberlain Bridge



Photo No.:8, Date: 1975, Courtesy NHDES, Dam Safety  
 Description: Looking across dam from left abutment





Photo No.:9, Date: 1982, Courtesy NHDES, Dam Safety  
Description: Looking at spillway section of dam



Photo No.:10, Date: 1985, Courtesy NHDES, Dam Safety  
Description: Looking at spillway from left abutment



Photo No.: 11, Date: 2/22/03, Mean Flow at Souhegan River Gage: 169 cfs  
Description: Looking at left abutment of Merrimack Village Dam



Photo No.: 12, Date: 2/22/03, Mean Flow at Souhegan River Gage: 169 cfs  
Description: Looking at right abutment of Merrimack Village Dam





Photo No.: 13, Date: 2/22/03, Mean Flow at Souhegan River Gage: 169 cfs  
Description: Looking downstream at Chamberlain Bridge



Photo No.: 14, Date: 2/22/03, Mean Flow at Souhegan River Gage: 169 cfs  
Description: Looking at Headgate Structure





Photo No.: 15, Date: 2/22/03, Mean Flow at Souhegan River Gage: 169 cfs  
Description: Looking downstream from Chamberlain Bridge



Photo No.: 16, Date: 6/12/03, Mean Flow at Souhegan River Gage: 366 cfs  
Description: Looking at left abutment (gatehouse)





Photo No.: 17, Date: 6/12/03, Mean Flow at Souhegan River Gage: 366 cfs  
Description: Looking at gate structure



Photo No.: 18, Date: 6/12/03, Mean Flow at Souhegan River Gage: 366 cfs  
Description: Looking in sediment-filled canal





Photo No.: 19, Date: 6/12/03, Mean Flow at Souhegan River Gage: 366 cfs  
Description: Looking downstream from Chamberlain Bridge



Photo No.: 20, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking at front of gate structure





Photo No.: 21, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking at boom above dam



Photo No.: 22, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking upstream in the impoundment





Photo No.: 23, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking downstream at impoundment- two islands shown in foreground



Photo No.: 24, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking downstream from atop Everett Turnpike at impoundment





Photo No.: 25, Date: 10/20/03, Mean Flow at Souhegan River Gage: 155 cfs  
Description: Looking directly below Everett Turnpike



Photo No.: 26, Date: 6/3/04, Mean Flow at Souhegan River Gage: 313 cfs  
Description: Looking at canal, fire department in the background





Photo No.: 27, Date: 6/3/04, Mean Flow at Souhegan River Gage: 313 cfs  
Description: Looking at sediment build-up in front of gate



Photo No. 28, Date: 6/3/04, Mean Flow at Souhegan River Gage: 313 cfs  
Description: Looking beneath Chamberlain Bridge at bedrock





Photo No.: 29, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: Downstream view from transect T-7



Photo No.: 30, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: Downstream view of transect T-6





Photo No.: 31, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: Downstream view of river-left from transect T-5



Photo No.: 32, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: Downstream view of river-right from transect T-5





Photo No.: 33, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: View of river-right bank for transect T-2



Photo No.: 34, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
Description: Downstream view of transect T-1 and Chamberlain Bridge





Photo No.: 35, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
 Description: Looking across wetland outlet (transect T-1)



Photo No.: 36, Date: 6/29/04, Mean Flow at Souhegan River Gage: 72 cfs  
 Description: Upstream view of wetlands outlet (transect T-1)





Photo No.:37, Date: 6/30/04, Mean Flow at Souhegan River Gage: 77 cfs  
Description: River mussel found at upstream of bar formations



Photo No.: 38, Date: 6/30/04, Mean Flow at Souhegan River Gage: 77 cfs  
Description: Downstream view of the river left bar from transect T-5





Photo No.: 39, Date: 6/30/04, Mean Flow at Souhegan River Gage: 77 cfs  
Description: Looking downstream from immediately behind the MVD



Photo No.: 40, Date: 10/27/04, Mean Flow at Souhegan River Gage: 102 cfs  
Description: Downstream right bank below rapid. Sand deposition.



Photo No.: 41, Date: 10/27/04, Mean Flow at Souhegan River Gage: 102 cfs  
Description: Downstream left bank below rapid. Banks formed of sand..



Photo No.: 42, Date: 10/27/04, Mean Flow at Souhegan River Gage: 102 cfs  
Description: Channel bed at confluence with Baboosic Brook. Sand bed; bedform is ripples.





Photo No.: 43, Date: 10/27/04, Mean Flow at Souhegan River Gage: 102 cfs  
Description: View downstream (right channel) from right bank below rapid.



Photo No.: 44, Date: 10/27/04, Mean Flow at Souhegan River Gage: 102 cfs  
Description: Right and left channels rejoin at confluence with Baboosic Brook. (Upstream view)